

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600962

Luminaire Tested: 8APVTLD-SL3C3 HI POWER 5000K 120V

Issue Date: 1/11/2023

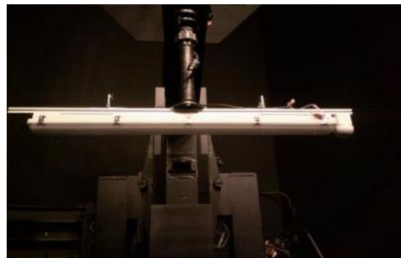
Test Information

Test Method: LM-79-2019
Report Number: P600962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (NTCLR22090026)
Test Lab: INNOVATION CENTER
Issue Date: 1/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8APVTLTLD-SL3C3 HI POWER 5000K 120V
Description: HI POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

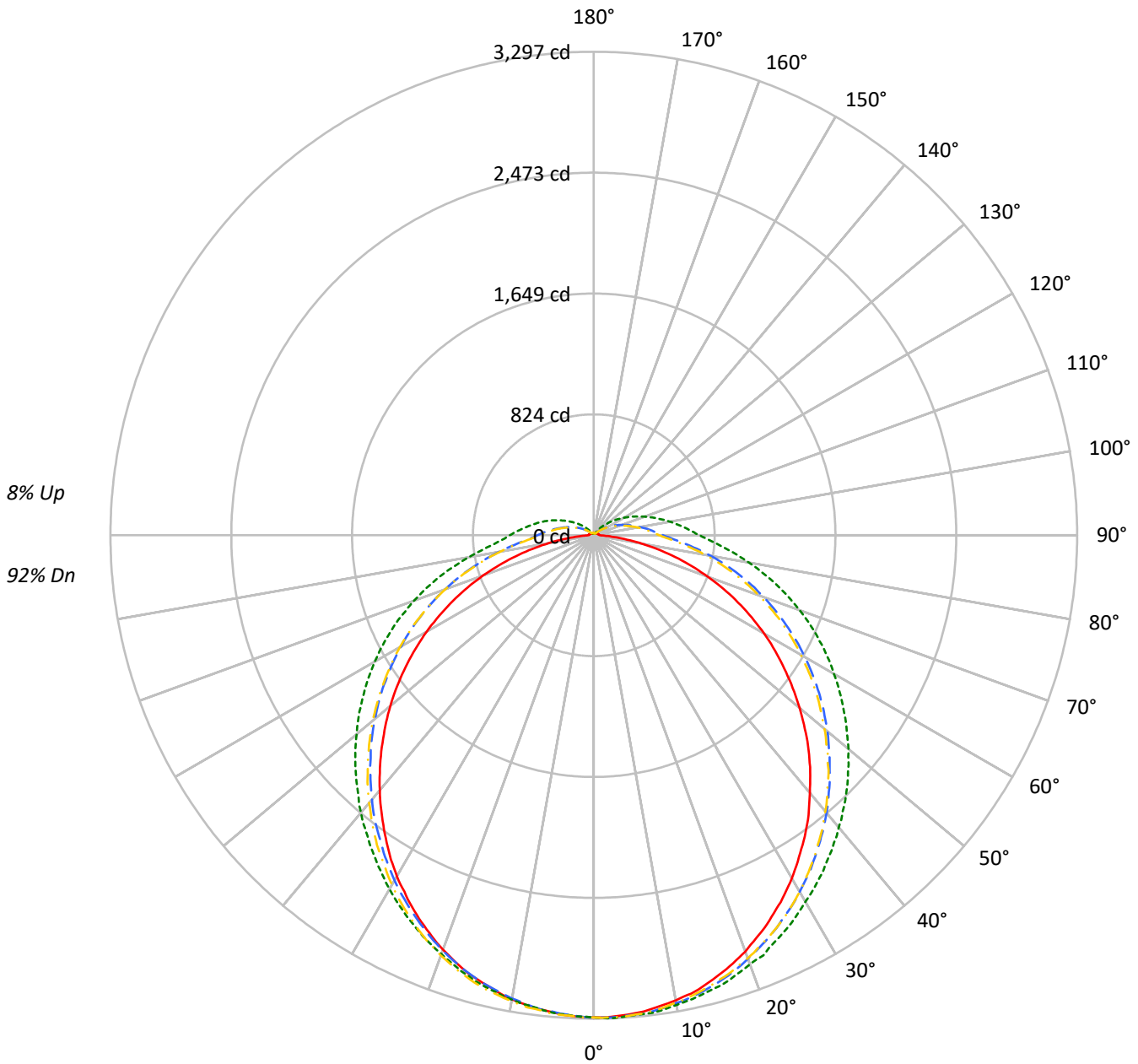
Lumens per Lamp: N/A
Luminaire Lumens: 11200.1 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 94
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P600962
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	95
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	42	36	31	40	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13274	13274	13274	13274
5°	13244	13026	13212	12955
10°	13176	12770	13152	12625
15°	13076	12523	13023	12317
20°	12930	12257	12874	11967
25°	12720	12023	12663	11659
30°	12518	11760	12443	11349
35°	12268	11538	12154	11037
40°	11981	11322	11862	10760
45°	11709	11151	11548	10486
50°	11370	10976	11231	10221
55°	11003	10792	10872	9969
60°	10643	10658	10442	9714
65°	10157	10548	9899	9443
70°	9513	10452	9220	9123
75°	8642	10376	8263	8766
80°	7370	10340	6894	8334
85°	5794	10526	5202	8194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 16159 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.0	2.8
10°-20°	889.2	7.9
20°-30°	1345.3	12.0
30°-40°	1625.7	14.5
40°-50°	1711.3	15.3
50°-60°	1607.2	14.4
60°-70°	1340.9	12.0
70°-80°	957.6	8.5
80°-90°	564.3	5.0
90°-100°	353.1	3.2
100°-110°	232.9	2.1
110°-120°	138.4	1.2
120°-130°	71.7	0.6
130°-140°	29.1	0.3
140°-150°	10.7	0.1
150°-160°	6.2	0.1
160°-170°	4.0	0.0
170°-180°	1.4	0.0
0°-30°	2545.5	22.7
0°-40°	4171.2	37.2
0°-60°	7489.7	66.9
0°-90°	10352.5	92.4
90°-120°	724.4	6.5
90°-150°	835.9	7.5
90°-180°	848.0	7.6
0°-180°	11200.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3288	3288	3288	3288	3288	
5°	3272	3285	3264	3267	3272	311
15°	3138	3197	3125	3145	3138	885
25°	2870	3014	2857	2923	2870	1323
35°	2508	2751	2484	2632	2508	1568
45°	2073	2442	2044	2296	2073	1597
55°	1587	2081	1568	1922	1587	1420
65°	1087	1696	1060	1519	1087	1075
75°	576	1286	550	1086	576	609
85°	140	877	126	682	140	155
90°	42	722	38	573	42	26
95°	36	619	33	492	36	29
105°	30	448	29	359	30	33
115°	26	301	25	238	26	26
125°	21	183	20	140	21	19
135°	17	91	14	61	17	13
145°	14	23	11	18	14	9
155°	12	13	11	14	12	6
165°	14	13	15	13	14	4
175°	16	13	18	12	16	1
180°	16	16	16	16	16	



TEST NUMBER: P600962

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4
1°	3288.2	3293.6	3288.4	3289.6	3291.5	3290.9	3291.1	3288.2	3286.7	3287.6	3287.8
2°	3286.7	3291.5	3291.3	3291.5	3296.7	3289.9	3289.2	3287.3	3283.8	3283.6	3281.5
3°	3282.3	3290.3	3288.8	3285.5	3293.6	3288.8	3290.5	3283.4	3280.3	3278.2	3273.6
4°	3277.7	3289.7	3284.0	3284.6	3287.3	3283.6	3288.0	3275.3	3275.0	3273.4	3270.7
5°	3271.5	3285.7	3280.5	3278.0	3285.1	3280.7	3280.1	3272.5	3263.6	3270.2	3259.6
6°	3265.9	3277.1	3277.3	3276.9	3282.8	3276.1	3280.1	3266.9	3256.9	3260.0	3258.1
7°	3252.9	3268.6	3273.0	3269.6	3282.1	3269.2	3268.4	3256.5	3249.6	3250.6	3247.9
8°	3241.7	3260.2	3261.9	3267.5	3274.6	3264.8	3260.9	3246.9	3238.9	3239.8	3232.5
9°	3232.3	3242.5	3252.7	3258.4	3262.1	3258.3	3248.1	3239.6	3226.2	3227.9	3219.1
10°	3220.6	3227.5	3240.8	3250.0	3252.9	3247.7	3236.7	3222.2	3214.7	3212.0	3207.8
11°	3206.0	3221.6	3231.4	3238.9	3242.7	3237.9	3225.4	3212.2	3199.3	3195.1	3193.0
12°	3195.3	3204.1	3218.1	3228.7	3233.7	3225.0	3212.0	3194.5	3180.5	3176.8	3176.1
13°	3178.6	3188.9	3205.4	3216.8	3221.4	3212.2	3197.4	3175.1	3160.9	3155.3	3160.1
14°	3157.2	3168.8	3189.9	3202.8	3209.1	3201.4	3180.7	3158.2	3143.6	3133.2	3144.6
15°	3137.7	3152.6	3174.9	3190.3	3197.4	3182.8	3165.7	3139.4	3125.2	3117.1	3125.0
16°	3115.2	3133.4	3156.7	3173.2	3186.8	3166.1	3147.1	3120.0	3107.9	3095.0	3105.4
17°	3093.5	3113.3	3139.2	3157.6	3170.9	3153.6	3131.3	3092.9	3084.5	3072.2	3083.5
18°	3070.1	3096.4	3120.2	3139.2	3149.6	3136.1	3110.4	3072.9	3058.7	3049.5	3061.0
19°	3045.1	3067.8	3097.5	3121.5	3132.9	3119.6	3087.9	3046.8	3032.6	3026.1	3037.2
20°	3021.5	3042.0	3074.3	3103.7	3113.1	3098.1	3070.1	3026.3	3008.4	3002.8	3014.8
21°	2990.0	3015.9	3052.0	3087.0	3099.1	3078.7	3048.0	3003.4	2980.6	2972.9	2986.7
22°	2961.6	2994.8	3027.8	3063.1	3090.4	3062.2	3021.3	2979.0	2948.9	2943.5	2961.4
23°	2935.1	2963.7	3003.6	3038.0	3058.7	3038.4	3000.2	2942.4	2919.5	2913.9	2931.6
24°	2904.0	2934.7	2978.1	3020.1	3034.7	3013.4	2977.1	2919.1	2888.0	2886.1	2904.1
25°	2870.0	2907.8	2953.7	2995.9	3014.2	2991.5	2951.4	2891.3	2857.1	2855.2	2874.2
26°	2837.7	2877.8	2923.9	2975.0	2991.7	2966.9	2926.2	2859.4	2823.1	2821.0	2846.7
27°	2808.1	2848.6	2896.3	2945.8	2968.3	2942.4	2898.8	2826.0	2790.1	2788.2	2814.3
28°	2772.6	2811.6	2868.8	2922.6	2941.2	2918.5	2867.7	2790.3	2752.6	2752.2	2783.5
29°	2737.3	2780.1	2840.8	2896.3	2914.1	2893.0	2837.9	2756.3	2721.1	2719.0	2751.5
30°	2701.9	2747.8	2808.5	2869.4	2887.2	2860.9	2808.7	2724.4	2685.6	2682.2	2717.7
31°	2663.3	2712.5	2777.8	2841.3	2862.7	2837.7	2775.3	2684.8	2645.9	2647.0	2683.5
32°	2624.3	2678.5	2746.5	2812.0	2837.3	2807.4	2741.7	2650.1	2609.8	2612.4	2647.8
33°	2584.2	2636.1	2716.1	2782.2	2808.9	2780.9	2708.3	2614.0	2568.9	2576.7	2614.2
34°	2546.8	2601.3	2680.8	2752.2	2783.0	2753.6	2674.9	2577.9	2526.4	2534.5	2576.7
35°	2507.8	2563.9	2645.9	2722.3	2751.3	2719.8	2641.4	2537.4	2484.5	2493.0	2538.7
36°	2467.8	2526.4	2613.0	2692.1	2722.1	2686.8	2602.6	2496.5	2442.7	2453.8	2505.5
37°	2427.9	2488.4	2576.5	2661.0	2693.9	2657.6	2568.7	2459.6	2400.8	2415.0	2469.8
38°	2383.9	2446.1	2543.5	2628.4	2661.4	2621.7	2534.5	2416.6	2358.6	2376.0	2433.3
39°	2337.1	2404.3	2506.6	2595.9	2634.1	2586.5	2493.4	2376.6	2315.2	2336.1	2395.1
40°	2293.7	2362.6	2470.7	2564.4	2599.4	2557.3	2457.7	2336.5	2270.8	2291.9	2353.8
41°	2248.9	2325.7	2433.8	2534.1	2572.7	2524.1	2420.8	2291.7	2227.0	2253.0	2315.0
42°	2206.7	2282.3	2393.1	2500.5	2536.2	2489.0	2381.8	2250.8	2181.3	2207.8	2274.1
43°	2163.1	2241.0	2355.3	2465.3	2507.0	2455.9	2336.1	2206.3	2136.8	2164.6	2234.3
44°	2117.0	2200.7	2317.9	2428.7	2475.1	2423.7	2303.5	2165.0	2090.7	2121.6	2197.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2072.6	2159.0	2276.0	2396.0	2441.7	2388.9	2265.2	2119.1	2044.0	2075.5	2151.4
46°	2025.4	2114.5	2236.6	2359.9	2408.1	2355.3	2214.9	2076.9	1997.9	2030.4	2114.5
47°	1977.2	2066.7	2198.4	2322.3	2370.1	2317.1	2181.5	2030.6	1951.5	1984.3	2075.7
48°	1929.4	2025.0	2156.4	2289.6	2339.4	2280.0	2135.2	1987.4	1905.2	1939.6	2033.6
49°	1881.2	1977.6	2120.3	2255.1	2300.2	2243.9	2096.3	1941.1	1859.2	1891.4	1991.6
50°	1833.1	1932.6	2081.1	2214.2	2268.7	2204.8	2055.2	1896.5	1810.7	1844.8	1947.4
51°	1784.3	1885.0	2038.1	2179.2	2228.4	2165.6	2011.2	1850.3	1764.1	1799.5	1904.8
52°	1735.4	1842.6	1997.5	2146.2	2191.9	2126.2	1969.1	1803.3	1715.4	1750.1	1866.6
53°	1686.3	1795.4	1958.6	2108.4	2156.6	2089.3	1929.6	1756.1	1665.5	1705.1	1822.5
54°	1636.7	1747.3	1915.8	2068.8	2119.9	2051.7	1888.0	1711.4	1616.1	1658.6	1779.7
55°	1586.7	1701.8	1875.7	2031.2	2081.1	2014.4	1845.1	1664.4	1567.9	1611.6	1735.0
56°	1538.3	1652.7	1833.8	1994.5	2044.8	1974.7	1799.4	1614.3	1517.4	1562.3	1691.5
57°	1489.4	1606.4	1791.3	1953.8	2008.5	1937.8	1762.1	1566.0	1466.9	1515.3	1649.5
58°	1441.7	1559.0	1748.9	1915.2	1969.9	1895.9	1718.5	1518.1	1416.8	1467.5	1605.8
59°	1392.9	1512.4	1706.5	1874.6	1933.2	1857.4	1672.2	1472.6	1367.2	1419.3	1563.0
60°	1342.1	1463.7	1664.2	1835.8	1891.9	1815.2	1629.4	1423.2	1316.8	1373.4	1516.7
61°	1290.5	1418.1	1619.5	1795.4	1855.6	1775.1	1590.2	1376.9	1265.3	1324.7	1477.2
62°	1241.0	1369.8	1579.9	1754.1	1816.8	1736.5	1547.6	1329.7	1214.4	1276.1	1433.3
63°	1190.4	1322.9	1532.6	1714.9	1777.4	1695.3	1501.3	1283.0	1162.0	1228.3	1388.4
64°	1138.3	1276.9	1490.8	1673.3	1739.9	1654.3	1460.4	1233.5	1111.8	1180.2	1344.3
65°	1087.2	1228.9	1448.1	1634.8	1696.4	1610.6	1416.2	1186.0	1059.6	1132.0	1298.1
66°	1036.3	1181.0	1404.6	1593.6	1660.6	1570.3	1372.9	1139.8	1009.0	1083.6	1256.7
67°	984.4	1134.8	1362.0	1549.7	1617.5	1529.3	1328.6	1092.1	957.8	1036.8	1212.8
68°	932.7	1086.2	1319.0	1508.5	1578.2	1487.5	1285.1	1045.0	905.7	989.9	1168.0
69°	881.1	1041.4	1276.4	1465.7	1534.9	1446.0	1241.4	996.7	854.5	942.9	1124.4
70°	829.1	994.1	1234.4	1425.3	1494.0	1403.4	1197.4	950.2	803.6	895.7	1080.3
71°	777.2	946.4	1189.8	1380.8	1451.5	1362.0	1153.8	905.2	749.7	848.7	1035.0
72°	727.0	899.8	1151.4	1340.0	1410.0	1318.9	1109.7	859.4	700.5	802.6	993.7
73°	677.4	854.4	1106.0	1296.0	1369.4	1278.4	1066.9	812.6	651.1	756.3	950.8
74°	625.4	808.1	1065.2	1250.0	1325.9	1234.6	1022.6	766.7	600.4	711.6	906.4
75°	575.7	763.8	1020.7	1208.5	1286.1	1193.9	980.9	721.3	550.4	666.5	863.4
76°	524.7	717.9	978.0	1166.0	1242.4	1150.6	938.9	676.3	501.2	622.9	819.2
77°	476.1	675.3	935.4	1124.6	1199.9	1109.6	897.1	632.2	452.3	579.7	777.4
78°	427.5	632.0	892.6	1082.4	1157.3	1066.9	853.4	588.2	404.2	538.4	736.7
79°	381.5	590.1	851.8	1041.5	1117.1	1026.7	814.8	548.3	358.6	496.1	698.0
80°	335.8	548.2	808.7	998.9	1075.5	985.0	771.6	506.1	314.1	456.8	656.8
81°	292.3	507.0	768.1	959.9	1033.8	946.1	733.0	466.7	272.0	418.3	618.9
82°	249.8	469.9	728.9	919.6	993.3	907.6	692.6	426.4	230.2	381.7	582.3
83°	211.1	431.6	688.4	880.7	954.3	867.7	655.4	391.0	192.2	347.5	548.5
84°	174.1	396.4	650.1	841.5	914.8	831.0	617.6	354.6	157.6	315.0	515.5
85°	140.0	362.1	614.5	803.1	876.7	795.0	584.3	322.1	125.7	284.1	484.9
86°	109.3	328.1	580.4	767.3	843.2	761.7	553.1	291.5	97.3	256.5	457.4
87°	84.2	297.5	549.3	731.9	806.8	727.7	521.1	263.5	73.0	231.3	432.2
88°	64.6	271.7	520.8	699.9	777.6	697.4	493.0	238.4	56.4	213.4	413.4
89°	49.5	250.3	495.0	671.7	746.0	666.1	466.7	217.5	44.4	197.4	397.6



TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	41.7	231.7	472.8	645.5	722.2	643.3	445.7	201.5	38.5	186.2	384.3
91°	39.7	216.7	453.0	623.7	695.2	619.9	428.2	188.3	37.0	175.7	369.5
92°	38.7	205.1	435.8	605.5	676.2	601.7	412.6	178.1	36.0	165.4	356.1
93°	37.5	192.9	420.6	588.4	656.7	583.3	398.2	167.9	35.0	155.9	342.8
94°	36.8	182.5	406.0	569.6	637.3	565.6	383.9	157.8	34.1	147.2	329.7
95°	36.1	172.4	392.3	553.0	618.9	548.3	370.6	147.9	33.0	138.9	316.4
96°	35.5	162.6	376.9	536.6	599.1	531.4	356.1	139.2	32.3	130.4	304.1
97°	34.6	153.3	362.4	520.1	581.8	514.7	343.1	130.4	31.8	122.5	292.1
98°	34.1	144.1	348.5	503.9	564.1	497.9	330.1	122.5	31.0	115.0	280.4
99°	33.6	136.4	335.7	488.2	546.6	481.1	317.0	114.8	30.3	107.6	269.9
100°	33.1	128.7	320.9	472.3	529.6	465.3	304.5	108.2	30.1	100.8	258.5
101°	32.6	121.5	308.0	457.1	512.6	449.5	291.8	100.9	29.9	94.5	248.1
102°	32.1	114.2	295.5	441.3	496.1	434.4	279.0	94.3	29.7	88.3	236.4
103°	31.8	107.2	283.7	424.6	479.4	420.1	267.8	88.2	29.4	82.9	226.6
104°	31.3	101.1	271.9	408.9	462.0	404.7	254.5	82.4	29.2	77.5	216.2
105°	30.5	94.9	260.7	395.2	448.0	390.4	244.5	76.8	28.9	72.3	206.6
106°	30.3	88.8	249.1	380.2	431.3	375.2	232.7	71.6	28.9	67.1	197.6
107°	30.1	83.7	238.0	364.9	416.7	361.0	222.9	66.7	27.9	62.1	188.2
108°	29.5	77.9	227.8	351.9	399.9	346.5	211.5	61.6	27.6	57.3	178.7
109°	28.8	72.8	217.1	337.8	386.8	333.4	202.6	57.1	27.3	53.4	170.0
110°	28.3	67.8	207.2	324.4	370.3	319.0	192.0	53.1	27.1	49.2	161.2
111°	28.0	62.8	197.3	311.5	357.2	306.9	182.5	48.7	27.1	45.3	153.2
112°	27.6	58.4	187.7	297.9	342.3	294.1	172.9	44.6	26.3	41.3	145.0
113°	27.3	54.6	178.4	285.5	327.8	281.6	164.3	41.0	26.3	37.9	137.0
114°	26.6	50.2	169.1	273.1	315.4	269.0	155.5	37.3	26.1	34.7	129.4
115°	25.9	46.3	160.4	261.0	300.8	256.4	147.3	34.2	25.1	31.4	121.7
116°	25.6	42.7	151.8	248.5	288.9	244.7	138.8	30.9	24.8	28.6	114.0
117°	25.3	38.9	143.4	237.3	275.0	233.8	131.0	28.5	24.4	26.2	107.4
118°	24.8	35.8	135.3	226.8	263.1	222.5	123.0	25.9	24.1	23.8	100.1
119°	24.3	32.7	127.8	215.6	250.7	211.4	115.4	24.2	23.6	23.8	93.7
120°	23.9	30.0	119.8	204.6	239.7	201.0	108.0	24.0	23.4	23.5	86.8
121°	23.3	28.2	112.6	194.4	227.5	189.7	100.6	23.3	23.1	22.3	79.9
122°	22.8	27.5	105.3	183.9	217.2	179.8	93.8	23.2	22.1	22.0	74.2
123°	21.9	27.0	98.3	174.7	204.1	169.8	86.6	22.8	21.2	21.5	67.8
124°	21.1	26.7	91.2	164.5	194.7	159.7	80.1	21.8	20.7	21.0	61.7
125°	20.8	26.0	84.3	154.7	183.2	150.1	73.5	21.7	20.2	20.8	56.3
126°	20.2	25.5	78.0	145.9	173.5	141.0	67.3	21.0	19.6	20.8	51.0
127°	19.9	25.0	71.5	136.5	163.1	132.2	61.2	20.8	19.1	20.3	46.2
128°	19.6	24.3	65.5	127.9	153.8	123.7	55.8	21.0	18.2	19.8	40.9
129°	19.3	23.6	59.4	119.4	143.6	114.3	50.4	20.0	17.7	19.0	36.0
130°	18.7	23.3	54.2	110.6	135.4	106.6	45.5	19.5	16.9	18.6	31.7
131°	18.2	22.8	48.8	102.6	125.0	98.3	40.1	18.8	16.4	18.3	27.0
132°	17.7	22.3	43.5	94.2	117.3	90.9	35.6	18.5	15.7	17.8	23.2
133°	17.4	21.9	38.9	87.1	107.5	83.0	31.1	18.0	15.0	17.3	19.4
134°	17.1	21.3	34.0	79.3	99.2	75.4	26.6	17.8	14.6	16.8	16.8



TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	16.7	20.9	29.8	72.1	91.0	68.7	22.9	17.2	14.1	16.3	16.1
136°	16.4	20.6	25.7	65.2	82.8	61.5	19.4	16.8	13.7	15.8	15.5
137°	16.1	19.9	22.6	58.5	74.9	55.2	18.2	16.3	13.4	15.6	15.1
138°	15.9	19.6	21.4	52.7	67.2	49.6	17.2	16.2	13.2	15.6	14.5
139°	15.6	19.1	20.9	46.2	60.1	43.5	16.5	15.5	13.1	15.3	14.0
140°	15.2	18.8	20.2	40.7	53.6	37.9	16.2	15.2	13.2	14.6	13.3
141°	14.7	18.1	19.9	35.1	46.8	32.5	15.7	15.2	12.7	13.9	13.1
142°	14.7	17.9	19.3	30.0	40.4	27.5	15.3	14.3	12.4	13.6	12.8
143°	14.7	17.4	18.8	25.3	34.7	22.9	14.8	13.8	11.9	13.4	12.1
144°	14.4	17.3	18.5	21.2	28.6	19.1	14.2	13.5	11.2	13.2	11.9
145°	13.9	16.8	18.0	19.9	23.3	16.8	13.8	13.3	11.0	13.2	11.6
146°	13.7	16.3	17.7	19.2	18.7	16.3	13.7	13.0	11.0	13.2	11.4
147°	13.7	15.9	17.3	18.9	16.4	15.9	13.7	13.2	11.0	13.1	11.4
148°	13.2	15.6	17.0	18.6	15.9	15.9	13.3	13.0	11.0	13.1	11.4
149°	13.1	15.1	16.5	18.2	15.6	15.8	13.3	12.7	11.0	13.0	11.4
150°	12.9	14.9	16.1	17.5	15.6	15.8	13.2	12.7	11.0	13.0	11.4
151°	12.6	14.6	16.0	17.4	15.1	15.4	13.0	12.8	11.0	12.9	11.3
152°	12.5	14.6	15.9	17.2	14.6	14.6	13.0	12.9	10.9	12.9	11.3
153°	12.4	14.1	15.8	16.9	13.9	14.2	13.0	13.0	10.9	12.9	11.3
154°	12.5	14.1	15.7	16.5	13.7	13.9	13.0	13.1	10.9	12.9	11.3
155°	12.5	14.1	15.6	16.4	13.0	13.7	13.0	13.2	10.9	12.9	11.3
156°	12.6	14.1	15.5	16.2	13.0	13.2	13.0	13.3	10.9	12.9	11.3
157°	12.7	14.1	15.5	15.9	12.9	13.4	13.0	13.4	10.9	12.9	11.3
158°	12.7	14.2	15.4	16.0	12.9	13.0	13.0	13.5	11.2	12.9	11.3
159°	12.8	14.2	15.4	15.4	12.8	12.7	13.0	13.7	11.2	13.1	11.3
160°	12.9	14.2	15.4	15.4	12.8	12.7	13.0	13.8	11.6	13.2	11.3
161°	12.9	14.3	15.4	15.5	12.8	12.7	13.1	13.9	12.2	13.6	12.1
162°	13.1	14.3	15.3	15.2	12.8	12.7	13.1	14.0	13.1	14.2	13.0
163°	13.2	14.4	15.3	15.0	12.8	12.7	13.2	14.5	13.9	14.6	13.6
164°	13.4	14.5	15.3	14.7	12.8	12.7	13.3	14.8	14.4	14.7	14.0
165°	14.0	14.5	15.3	14.8	12.7	12.7	13.4	15.2	14.9	14.9	14.5
166°	14.4	14.6	15.3	14.5	12.7	12.6	13.4	15.3	15.4	15.1	15.1
167°	14.9	15.3	15.2	14.5	12.7	12.6	13.5	15.7	16.1	15.4	15.7
168°	15.4	15.3	15.2	14.3	12.7	12.6	13.6	15.7	16.4	15.9	16.5
169°	15.4	15.6	15.2	14.3	12.7	12.6	13.6	15.7	16.9	15.9	17.0
170°	15.5	15.4	15.2	14.2	12.7	12.6	13.5	15.7	17.2	15.9	17.7
171°	15.5	15.8	15.1	14.0	12.6	12.6	13.5	15.7	17.2	15.9	18.3
172°	15.5	15.6	15.1	13.8	12.6	12.6	13.5	15.7	17.7	15.9	18.5
173°	15.6	16.1	15.1	13.3	12.6	12.6	13.4	16.0	17.9	15.8	18.5
174°	15.6	15.9	15.0	13.0	12.6	12.6	13.4	16.2	18.1	15.8	18.7
175°	15.7	16.3	14.9	13.0	12.6	12.6	13.4	16.2	18.2	15.8	18.5
176°	15.7	16.6	14.9	12.8	12.6	12.5	13.4	16.2	18.4	15.8	18.3
177°	15.7	16.8	14.8	12.8	12.5	12.5	13.3	16.2	18.6	15.8	18.0
178°	15.7	16.8	14.8	12.8	12.7	12.7	13.3	16.2	18.6	15.8	17.5
179°	15.7	16.8	14.8	12.8	12.7	13.0	13.3	16.2	18.6	15.8	17.0



TEST NUMBER: P600962
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7



TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4
1°	3284.6	3284.2	3289.6	3288.2	3289.4	3288.2
2°	3278.4	3283.8	3287.6	3285.7	3286.7	3286.7
3°	3275.9	3275.5	3280.7	3280.3	3282.5	3282.3
4°	3269.4	3273.8	3277.3	3278.2	3275.3	3277.7
5°	3264.4	3267.3	3272.7	3276.7	3267.5	3271.5
6°	3255.4	3257.7	3262.5	3262.9	3259.6	3265.9
7°	3249.6	3245.8	3255.0	3256.1	3251.3	3252.9
8°	3238.3	3237.9	3246.0	3251.0	3241.5	3241.7
9°	3227.5	3229.3	3232.5	3240.0	3229.8	3232.3
10°	3211.0	3216.0	3220.0	3227.7	3214.1	3220.6
11°	3198.1	3205.4	3208.5	3214.5	3199.7	3206.0
12°	3188.2	3187.4	3200.1	3200.5	3182.4	3195.3
13°	3175.1	3175.3	3185.5	3190.3	3166.3	3178.6
14°	3156.7	3159.0	3169.9	3173.4	3147.6	3157.2
15°	3138.4	3144.8	3153.2	3155.9	3128.2	3137.7
16°	3117.1	3122.9	3135.5	3136.3	3107.5	3115.2
17°	3100.2	3104.6	3118.6	3117.5	3082.9	3093.5
18°	3076.6	3081.0	3096.2	3094.1	3065.6	3070.1
19°	3055.1	3060.7	3077.2	3070.8	3035.3	3045.1
20°	3033.8	3039.3	3051.2	3050.7	3013.6	3021.5
21°	3011.7	3019.4	3029.3	3021.1	2985.0	2990.0
22°	2985.6	2997.3	3005.9	3002.7	2957.7	2961.6
23°	2963.1	2973.7	2985.4	2971.7	2928.3	2935.1
24°	2934.7	2947.9	2960.6	2942.6	2901.5	2904.0
25°	2912.2	2923.0	2931.0	2910.1	2868.4	2870.0
26°	2879.6	2898.8	2899.9	2883.2	2834.2	2837.7
27°	2852.9	2870.7	2870.5	2851.5	2801.6	2808.1
28°	2825.6	2844.0	2847.5	2819.8	2764.7	2772.6
29°	2797.8	2816.8	2813.7	2787.6	2728.8	2737.3
30°	2766.1	2786.4	2785.7	2752.1	2695.2	2701.9
31°	2740.3	2757.4	2754.5	2719.4	2660.5	2663.3
32°	2704.0	2724.6	2721.3	2680.6	2625.1	2624.3
33°	2674.1	2694.8	2691.4	2645.5	2585.9	2584.2
34°	2642.8	2663.3	2657.8	2611.5	2547.0	2546.8
35°	2611.3	2631.8	2621.7	2577.7	2508.4	2507.8
36°	2574.0	2600.2	2589.0	2538.5	2468.0	2467.8
37°	2537.7	2566.7	2556.0	2500.9	2427.5	2427.9
38°	2505.5	2535.6	2523.9	2461.9	2386.2	2383.9
39°	2475.7	2505.9	2490.3	2419.6	2344.6	2337.1
40°	2445.0	2470.5	2453.4	2383.9	2300.2	2293.7
41°	2403.5	2439.0	2419.3	2344.6	2257.2	2248.9
42°	2369.7	2399.1	2385.5	2305.4	2214.2	2206.7
43°	2330.0	2363.6	2348.8	2262.6	2167.3	2163.1
44°	2295.6	2330.0	2310.4	2219.0	2126.6	2117.0

TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2258.1	2296.2	2274.3	2179.4	2081.3	2072.6
46°	2224.1	2260.3	2235.3	2136.4	2031.2	2025.4
47°	2187.9	2224.0	2199.0	2095.5	1988.9	1977.2
48°	2150.2	2189.4	2158.7	2053.6	1942.4	1929.4
49°	2110.3	2150.0	2119.5	2011.8	1896.2	1881.2
50°	2072.6	2112.6	2077.6	1968.5	1850.6	1833.1
51°	2036.9	2075.5	2040.0	1923.2	1802.7	1784.3
52°	1992.4	2037.9	1999.1	1879.8	1753.5	1735.4
53°	1953.2	2001.4	1961.4	1837.5	1706.8	1686.3
54°	1914.3	1960.7	1917.8	1791.2	1659.1	1636.7
55°	1875.2	1922.3	1879.5	1748.3	1611.0	1586.7
56°	1834.0	1884.3	1838.0	1703.7	1565.3	1538.3
57°	1794.0	1845.4	1797.4	1659.4	1516.2	1489.4
58°	1751.4	1804.7	1754.8	1616.3	1467.6	1441.7
59°	1710.8	1765.6	1711.9	1573.5	1419.8	1392.9
60°	1666.2	1724.3	1671.7	1527.0	1371.6	1342.1
61°	1623.7	1684.0	1628.2	1483.9	1322.2	1290.5
62°	1580.9	1643.8	1585.1	1436.2	1276.6	1241.0
63°	1538.9	1602.3	1541.8	1394.0	1229.2	1190.4
64°	1497.5	1560.5	1499.3	1348.0	1180.2	1138.3
65°	1452.6	1518.7	1457.3	1301.9	1132.3	1087.2
66°	1413.1	1476.2	1412.5	1256.4	1084.6	1036.3
67°	1369.2	1435.1	1368.3	1213.2	1037.2	984.4
68°	1328.0	1387.8	1327.7	1167.1	987.0	932.7
69°	1286.0	1346.9	1283.3	1122.5	939.5	881.1
70°	1242.4	1304.0	1241.0	1078.9	894.3	829.1
71°	1198.9	1259.6	1197.3	1033.0	844.9	777.2
72°	1158.3	1218.4	1155.5	989.9	798.8	727.0
73°	1114.9	1172.2	1110.2	943.9	752.0	677.4
74°	1070.1	1130.9	1067.8	899.5	707.6	625.4
75°	1027.7	1086.5	1025.5	856.2	661.3	575.7
76°	982.0	1041.7	983.5	812.8	615.6	524.7
77°	939.5	996.3	941.5	770.6	572.6	476.1
78°	899.1	951.2	897.8	731.0	529.1	427.5
79°	858.9	909.2	857.5	689.6	488.3	381.5
80°	820.5	866.9	816.9	650.9	447.7	335.8
81°	782.1	825.5	776.6	613.3	408.8	292.3
82°	745.4	786.7	739.5	576.4	372.2	249.8
83°	711.2	750.3	701.1	542.0	337.1	211.1
84°	678.0	715.5	666.2	507.5	303.3	174.1
85°	647.0	682.5	633.7	476.3	271.0	140.0
86°	619.2	655.1	605.0	449.4	243.8	109.3
87°	592.6	629.6	579.8	423.7	219.2	84.2
88°	571.7	607.4	558.3	402.9	199.6	64.6
89°	554.3	589.6	540.3	385.4	182.5	49.5

TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	538.5	572.8	523.5	370.0	169.7	41.7
91°	522.1	555.8	506.9	356.8	159.7	39.7
92°	507.0	538.8	490.4	343.6	149.4	38.7
93°	490.9	522.6	475.3	330.1	140.9	37.5
94°	475.6	506.8	460.0	316.2	133.2	36.8
95°	459.2	491.5	445.2	303.6	125.2	36.1
96°	444.4	477.6	431.4	291.9	116.9	35.5
97°	429.0	462.7	417.3	281.2	110.0	34.6
98°	415.1	448.8	403.4	270.4	103.2	34.1
99°	400.4	435.3	389.8	259.8	96.6	33.6
100°	386.6	421.9	376.0	249.0	90.8	33.1
101°	373.7	407.9	362.6	237.7	85.3	32.6
102°	359.0	396.2	349.8	227.8	79.9	32.1
103°	346.4	383.1	338.1	218.2	74.5	31.8
104°	332.4	371.0	326.7	208.1	69.6	31.3
105°	319.7	358.7	315.4	198.5	65.0	30.5
106°	307.6	346.7	303.5	188.7	60.3	30.3
107°	295.2	334.6	290.8	179.7	56.2	30.1
108°	283.0	321.9	278.3	170.5	52.9	29.5
109°	271.6	309.1	267.1	162.1	49.2	28.8
110°	258.8	297.2	255.9	154.0	45.4	28.3
111°	248.3	285.4	244.7	146.0	42.5	28.0
112°	237.3	273.0	234.0	138.2	38.9	27.6
113°	226.9	261.8	223.7	130.5	36.1	27.3
114°	216.4	249.7	213.4	123.2	33.6	26.6
115°	206.3	238.4	203.5	115.9	31.1	25.9
116°	196.0	227.8	193.6	109.2	29.5	25.6
117°	187.1	217.3	183.2	102.1	29.0	25.3
118°	176.7	207.2	173.6	95.6	28.5	24.8
119°	167.2	196.8	164.4	89.1	28.1	24.3
120°	158.3	186.6	155.3	82.8	27.6	23.9
121°	148.5	176.9	146.7	76.8	27.1	23.3
122°	140.5	167.4	138.2	70.8	27.0	22.8
123°	131.6	158.1	129.4	65.2	26.3	21.9
124°	123.6	148.8	121.3	59.4	26.0	21.1
125°	115.8	140.0	113.5	54.6	25.6	20.8
126°	107.3	131.3	105.5	49.4	25.0	20.2
127°	99.5	122.7	97.7	44.5	24.7	19.9
128°	92.1	114.1	90.5	39.8	24.0	19.6
129°	84.0	105.8	83.1	35.4	23.5	19.3
130°	77.6	97.7	75.8	31.3	22.8	18.7
131°	70.2	90.0	69.1	27.5	22.3	18.2
132°	63.2	82.5	62.3	24.2	21.7	17.7
133°	56.8	75.3	56.5	22.4	21.3	17.4
134°	51.1	67.8	50.6	21.6	20.6	17.1

TEST NUMBER: P600962

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	45.1	61.2	44.8	21.1	20.3	16.7
136°	39.3	55.1	39.3	20.8	19.7	16.4
137°	34.0	48.9	34.1	20.3	19.3	16.1
138°	28.7	43.1	29.3	19.7	18.8	15.9
139°	23.7	37.2	24.7	19.1	18.2	15.6
140°	19.1	31.9	20.8	18.7	17.7	15.2
141°	15.8	26.8	18.8	18.2	17.3	14.7
142°	14.9	22.2	18.5	17.9	17.0	14.7
143°	14.5	19.0	17.9	17.5	16.5	14.7
144°	13.8	18.0	17.6	17.1	16.2	14.4
145°	13.7	17.5	17.4	16.4	15.7	13.9
146°	13.2	17.1	16.9	16.2	15.5	13.7
147°	13.2	16.8	16.6	15.4	15.2	13.7
148°	13.0	16.3	16.3	15.2	14.8	13.2
149°	12.7	16.1	16.1	14.9	14.6	13.1
150°	12.5	15.6	15.9	14.7	14.2	12.9
151°	11.7	15.3	15.6	14.5	14.2	12.6
152°	11.3	14.9	15.2	14.2	13.7	12.5
153°	10.8	14.6	14.9	14.0	13.3	12.4
154°	10.3	14.4	14.9	14.0	13.4	12.5
155°	10.5	14.1	14.6	14.0	13.4	12.5
156°	10.6	13.9	14.2	14.0	13.4	12.6
157°	10.7	13.8	14.2	14.0	13.4	12.7
158°	10.8	13.7	14.1	14.0	13.4	12.7
159°	10.9	13.5	14.0	14.0	13.5	12.8
160°	11.1	13.4	14.0	14.0	13.5	12.9
161°	11.2	13.2	13.9	14.0	13.7	12.9
162°	11.3	13.0	13.7	14.0	14.0	13.1
163°	11.6	12.9	13.6	14.0	14.5	13.2
164°	11.8	12.9	13.5	14.0	15.2	13.4
165°	12.1	12.7	13.5	14.0	15.3	14.0
166°	12.5	12.5	13.5	14.0	15.8	14.4
167°	12.6	12.5	13.5	14.1	16.5	14.9
168°	12.8	12.4	13.5	14.1	16.8	15.4
169°	13.0	12.5	13.5	14.1	17.7	15.4
170°	13.2	12.4	13.5	14.2	18.0	15.5
171°	13.3	12.4	13.5	14.3	18.2	15.5
172°	14.0	12.3	13.4	15.2	18.3	15.5
173°	14.7	12.3	13.4	15.7	18.3	15.6
174°	15.0	12.3	13.4	15.9	18.5	15.6
175°	14.8	12.2	13.4	16.2	18.3	15.7
176°	14.8	12.2	13.4	16.4	18.3	15.7
177°	14.8	12.2	13.4	16.5	18.3	15.7
178°	14.8	12.0	13.4	16.4	18.3	15.7
179°	14.8	12.9	13.4	16.4	18.7	15.7



TEST NUMBER: P600962
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	15.7	15.7	15.7	15.7	15.7	15.7

(END OF REPORT)